

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/28/2017 03/28/2017	Sterling York

LM Start		Rating **	A	Issue No.	1
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD1001_01_s_2012_1				
Comment Code					
Inspector Comment					
The LMA has flood fight supplies on hand at their district office.					

No Photos

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD1001_01_s_2012_2				
Comment Code					
Inspector Comment					
The LMA participates in the flood fight class put on by RD784 and DWR annually.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/28/2017 03/28/2017	Sterling York

LM Start		Rating **	A	Issue No.	3	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Operations & Maintenance Manuals				o	
					o	
DWR ID	DWR_RD1001_01_s_2012_3					
Comment Code						
Inspector Comment						
The LMA has a copy of the O&M manuals at the district office.						

No Photos

LM Start	0.14	Rating **	U	Issue No.	17
LM End	3.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.978880 °	38.966766 °
				-121.471988 °	-121.533397 °
DWR ID	DWR_RD1001_01_s_2017_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation. Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_36\_17\_20170403\_00022.jpg



View looking upstream of annual grasses, Spring 2017.

LM Start	0.14	Rating **	M	Issue No.	24
LM End	1.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.978880 °	38.970688 °
				-121.471989 °	-121.494025 °
DWR ID	DWR_RD1001_01_s_2017_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation, Spring 2017,					

Photo 1 of 1 : SP\_2017\_RD1001\_36\_24\_20170403\_00027.jpg



View of annual vegetation looking upstream, landside. Spring 2017.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
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Unit No. 01 Yankee Slough	Right	4.12	03/28/2017 03/28/2017	Sterling York

LM Start	1.40	Rating **	M	Issue No.	25
LM End	1.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.971589 °	38.971589 °
				-121.492049 °	-121.492049 °
DWR ID	DWR_RD1001_01_f_2016_25				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope is stable and shows no eroision, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_36\_25\_20170316\_00019.jpg



View of tier ruts on the landside levee slope looking upstream. Fall 2016.

LM Start	1.52	Rating **	A	Issue No.	21
LM End	1.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.970688 °	38.971170 °
				-121.494025 °	-121.500088 °
DWR ID	DWR_RD1001_01_s_2017_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Well maintained annual vegetation. Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_36\_21\_20170403\_00026.jpg



View of well maintained annual vegetation looking upstream, landside. Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/28/2017 03/28/2017	Sterling York

LM Start	1.86	Rating **	U	Issue No.	13
LM End	3.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.971174 °	38.966768 °
				-121.500085 °	-121.533396 °
DWR ID	DWR_RD1001_01_s_2017_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation. Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_36\_13\_20170403\_00021.jpg



View looking upstream of annual grasses, Spring 2017.

LM Start	2.75	Rating **	N	Issue No.	10
LM End	2.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.968376 °	38.968376 °
				-121.515626 °	-121.515626 °
DWR ID	DWR_RD1001_01_f_2015_10				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Remove tree stump from lvee slope. Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_36\_10\_20170316\_00008.jpg



View of stump on the landside slope looking upstream. Fall 2016.

LM Start	3.09	Rating **	M	Issue No.	19
LM End	3.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.965660 °	38.965660 °
				-121.520548 °	-121.520548 °
DWR ID	DWR_RD1001_01_s_2016_19				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD1001\_36\_19\_20170316\_00015.jpg



View of a tree that need limbs trimmed. Fall 2016.

\* Location  
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CR : Crown

\*\* Rating  
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U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	03/28/2017 03/28/2017	Sterling York

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/28/2017 03/28/2017	Sterling York

LM Start	0.00	Rating **	U	Issue No.	8
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.971202 °	38.965845 °
				-121.473999 °	-121.533658 °
DWR ID	DWR_RD1001_02_s_2017_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_35\_8\_20170403\_00027.jpg



View looking downstream of annual vegetation, Spring 2017.

LM Start	0.00	Rating **	U	Issue No.	9
LM End	3.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.971219 °	38.965845 °
				-121.474038 °	-121.533658 °
DWR ID	DWR_RD1001_02_s_2017_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_35\_9\_20170403\_00028.jpg



View looking downstream of annual vegetation, Spring 2017.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/28/2017 03/28/2017	Sterling York

LM Start	0.27	Rating **	A/W	Issue No.	4
LM End	0.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.974323 °	38.974323 °
				-121.476442 °	-121.476442 °
DWR ID	DWR_RD1001_02_f_2014_4				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There is no animal activity at this location, the existing hole near the crown has been backfill & repaired by the District, Spring 2017.					

Photo 1 of 3 : SP\_2017\_RD1001\_35\_4\_20170316\_00001.jpg



This photo was taken from the levee crown facing east looking down the waterward slope at an animal burrow. Fall 2014.

LM Start	<b>0.27</b>	Rating **	A/W	Issue No.	<b>4 (cont)</b>
LM End	<b>0.27</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2017\_RD1001\_35\_4\_20170316\_00002.jpg



Another picture of the animal burrow. Fall 2014.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/28/2017 03/28/2017	Sterling York

LM Start	0.27	Rating **	A/W	Issue No.	4 (cont)	
LM End	0.27	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Animal Control			38.974323 °	38.974323 °	
				-121.476442 °	-121.476442 °	
DWR ID	DWR_RD1001_02_f_2014_4					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
There is no animal activity at this location, the existing hole near the crown has been backfill & repaired by the District, Spring 2017.						

Photo 3 of 3 : SP\_2017\_RD1001\_35\_4\_20170316\_00003.jpg



Although hard to see with the grass, there is still an animal hole on waterward levee slope near the crown at this location. Hole was approximately 1' in diameter and 8" deep that needs to be repaired. There is no animal activity at this location. Fall 2016.

LM Start	1.11	Rating **	M	Issue No.	14
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.971521 °	38.971521 °
				-121.490987 °	-121.490987 °
DWR ID	DWR_RD1001_02_s_2017_14				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from levees hinge point, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_35\_14\_20170403\_00029.jpg



View looking downstream of pruning's on levee hinge point, Spring 2017.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/28/2017 03/28/2017	Sterling York

LM Start	1.27	Rating **	M	Issue No.	15
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.970110 °	38.970110 °
				-121.493441 °	-121.493441 °
DWR ID	DWR_RD1001_02_s_2017_15				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from levees hinge point, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_35\_15\_20170403\_00030.jpg



View looking downstream of pruning's on levee hinge point, Spring 2017.

LM Start	1.33	Rating **	M	Issue No.	1
LM End	1.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.969740 °	38.969640 °
				-121.494327 °	-121.494829 °
DWR ID	DWR_RD1001_02_s_2016_1				
Comment Code					
Inspector Comment					
2011 - New erosion site. Steep eroding slope. Fairly old scarp with vegetation growth. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YAS_1-7_L]					

No Photos

LM Start	1.34	Rating **	M	Issue No.	17
LM End	1.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.969679 °	38.969679 °
				-121.494465 °	-121.494465 °
DWR ID	DWR_RD1001_02_s_2017_17				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from levees hinge point, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_35\_17\_20170403\_00031.jpg



View looking downstream of pruning's on levee hinge point, Spring 2017.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/28/2017 03/28/2017	Sterling York

LM Start	1.38	Rating **	M	Issue No.	20
LM End	1.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.969622 °	38.970249 °
				-121.495304 °	-121.501040 °
DWR ID	DWR_RD1001_02_s_2017_20				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from levees hinge point, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_35\_20\_20170403\_00032.jpg



View looking downstream of pruning's on length of levee hinge point, Spring 2017.

LM Start	1.76	Rating **	A/W	Issue No.	5
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.970265 °	38.970265 °
				-121.502348 °	-121.502348 °
DWR ID	DWR_RD1001_02_f_2015_5				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/28/2017 03/28/2017	Sterling York

LM Start	1.88	Rating **	N	Issue No.	6
LM End	1.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.969489 °	38.969489 °
				-121.504155 °	-121.504155 °
DWR ID	DWR_RD1001_02_f_2015_6				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Large stump at the landside levee toe should be removed.					

Photo 1 of 1 : SP\_2017\_RD1001\_35\_6\_20170316\_00004.jpg



View of large stump at the landside levee toe. Fall 2016.

LM Start	1.89	Rating **	N	Issue No.	13
LM End	1.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.969423 °	38.969423 °
				-121.504225 °	-121.504225 °
DWR ID	DWR_RD1001_02_f_2015_13				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Large stump at the landside levee toe should be removed.					

Photo 1 of 1 : SP\_2017\_RD1001\_35\_13\_20170316\_00008.jpg



View of large stump at the landside levee toe. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/28/2017 03/28/2017	Sterling York

LM Start	2.28	Rating **	M	Issue No.	55
LM End	2.28	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.967403 °	38.967403 °
				-121.510953 °	-121.510953 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14008					
DS_ID:22543					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - slide gate in inlet pipe on landside - pits on pipe due to corrosion					
FIELD_STRUCT_DESC: 36-inch corrugated-metal drainage pipe through the levee, 15.0 feet below the crown, concrete-U headwall and flap gate at outfall on the waterward end and slide gate on landside inlet (R.D. No. 1001). O&M Manual Sac 141, August 1955.					
FS Date: 5/23/2013					

LM Start	<b>2.28</b>	Rating **	M	Issue No.	<b>55 (cont)</b>
LM End	<b>2.28</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_14008\_23108.jpg



WS- overview of waterside of the levee.

Photo 2 of 3 : UCIP\_SP\_2017\_14008\_23107.jpg



WS- outfall pipe with flap gate in concrete wing wall.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/28/2017 03/28/2017	Sterling York

LM Start	3.10	Rating **	M	Issue No.	26
LM End	3.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.964742 °	38.964742 °
				-121.524459 °	-121.524459 °
DWR ID	DWR_RD1001_02_s_2017_26				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Tree that has fallen last rainy season needs to be removed from slope, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_35\_26\_20170403\_00034.jpg



View looking downstream of a tree that has fallen last rainy season and needs to be removed from slope, Spring 2017.

LM Start	3.25	Rating **	M	Issue No.	27
LM End	3.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.963728 °	38.963728 °
				-121.526859 °	-121.526859 °
DWR ID	DWR_RD1001_02_s_2017_27				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from levees hinge point, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_35\_27\_20170403\_00035.jpg



View looking downstream of pruning's on levee hinge point, Spring 2017.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

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Levee Inspections**

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### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	03/28/2017 03/28/2017	Sterling York

LM Start	3.58	Rating **	A	Issue No.	24
LM End	3.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			38.965345 °	38.965345 °
				-121.532615 °	-121.532615 °
DWR ID	DWR_RD1001_02_f_2016_24				
Comment Code					
Inspector Comment					
Stockpiled flood fight material. Fall 2016.					

Photo 1 of 1 : SP\_2017\_RD1001\_35\_24\_20170316\_00015.jpg



View of stockpiled flood fight material. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/28/2017 03/28/2017	Sterling York

LM Start	0.01	Rating **	M	Issue No.	14
LM End	12.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.006585 °	38.941262 °
				-121.375117 °	-121.567534 °
DWR ID	DWR_RD1001_03_s_2017_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation. Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_37\_14\_20170403\_00043.jpg



View looking downstream of annual vegetation. Spring 2017.

LM Start	0.01	Rating **	M	Issue No.	15
LM End	12.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.006586 °	38.941259 °
				-121.375118 °	-121.567535 °
DWR ID	DWR_RD1001_03_s_2017_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation. Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_37\_15\_20170403\_00044.jpg



View looking downstream of annual vegetation. Spring 2017.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/28/2017 03/28/2017	Sterling York

LM Start	0.11	Rating **	M	Issue No.	2
LM End	0.11	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.006569 °	39.006569 °
				-121.377037 °	-121.377037 °
DWR ID	DWR_RD1001_03_f_2013_2				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Rutting caused by vehicles driving up the landward levee slope.					

Photo 1 of 2 : SP\_2017\_RD1001\_37\_2\_20170316\_00002.jpg



This photo was taken from the crown of the levee facing west looking down the slope at rutting caused by vehicles driving up the landward levee slope. Fall 2015.

LM Start	<b>0.11</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.11</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP\_2017\_RD1001\_37\_2\_20170316\_00003.jpg



View of the same rutting on the landside of the levee facing downstream. Fall 2016.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/28/2017 03/28/2017	Sterling York

LM Start	0.14	Rating **	M	Issue No.	23
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.006351 °	39.006351 °
				-121.377313 °	-121.377313 °
DWR ID	DWR_RD1001_03_s_2015_23				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Rutting caused by vehicles driving up the landward levee slope.					

Photo 1 of 1 : SP\_2017\_RD1001\_37\_23\_20170316\_00016.jpg



View of the rutting on the landside of the levee from the toe facing downstream.

LM Start	1.87	Rating **	M	Issue No.	28
LM End	1.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.998608 °	38.998608 °
				-121.405570 °	-121.405570 °
DWR ID	DWR_RD1001_03_s_2013_28				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Continual damage to waterside slope caused by vehicles, suggest blocking access.					

Photo 1 of 1 : SP\_2017\_RD1001\_37\_28\_20170316\_00018.jpg



Continual damage to waterside slope caused by vehicles. Fall 2016.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

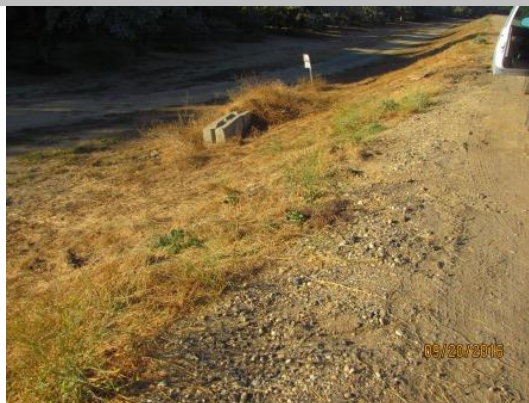
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/28/2017 03/28/2017	Sterling York

LM Start	1.87	Rating **	M	Issue No.	29	
LM End	1.87	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.998608 °		38.998608 °
				-121.405570 °		-121.405570 °
DWR ID	DWR_RD1001_03_s_2013_29					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						
Continual damage caused by vehicles going around the gate, suggest blocking access.						

Photo 1 of 1 : SP\_2017\_RD1001\_37\_29\_20170316\_00019.jpg



Continual damage caused by vehicles going around the gate. Fall 2016

LM Start	2.28	Rating **	M	Issue No.	30
LM End	2.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.996302 °	38.996302 °
				-121.412285 °	-121.412285 °
DWR ID	DWR_RD1001_03_s_2013_30				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Damage to landside slope has been repaired. Continue to monitor area.					

Photo 1 of 2 : SP\_2017\_RD1001\_37\_30\_20170316\_00020.jpg



Damage caused by vehicles. Spring 2013

LM Start	<b>2.28</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>2.28</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD1001\_37\_30\_20170316\_00021.jpg



Damage to landside slope has been repaired. Fall 2016.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/28/2017 03/28/2017	Sterling York

LM Start	2.57	Rating **	A/W	Issue No.	34
LM End	2.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.995642 °	38.995642 °
				-121.417626 °	-121.417626 °
DWR ID	DWR_RD1001_03_s_2015_34				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries are blocking slope visibility.					

No Photos

LM Start	2.59	Rating **	M	Issue No.	36
LM End	2.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.995583 °	38.995583 °
				-121.417995 °	-121.417995 °
DWR ID	DWR_RD1001_03_s_2015_36				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Tree less than 4" in diameter should be removed					

Photo 1 of 1 : SP\_2017\_RD1001\_37\_36\_20170316\_00024.jpg



View of a small starter tree on landside slope looking downstream that is less than 4" in diameter.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/28/2017 03/28/2017	Sterling York

LM Start	2.96	Rating **	M	Issue No.	42
LM End	2.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.994157 °	38.994157 °
				-121.424520 °	-121.424520 °
DWR ID	DWR_RD1001_03_f_2013_42				
Comment Code					
DE : Debris					
Inspector Comment					
Remove couch on levee slope.					

Photo 1 of 1 : SP\_2017\_RD1001\_37\_42\_20170316\_00030.jpg



View of a couch on the landside levee slope looking downstream. Fall 2016.

LM Start	3.52	Rating **	M	Issue No.	906
LM End	3.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.991745 °	38.991745 °
				-121.434398 °	-121.434398 °
DWR ID	DWR_RD1001_03_s_2012_906				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/28/2017 03/28/2017	Sterling York

LM Start	3.57	Rating **	M	Issue No.	21
LM End	3.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.991390 °	38.991390 °
				-121.435268 °	-121.435268 °
DWR ID	DWR_RD1001_03_s_2016_21				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD1001\_37\_21\_20170316\_00015.jpg



Erosion on waterside slope. Remains as of Fall 2016.

LM Start	4.06	Rating **	A/W	Issue No.	24
LM End	4.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.991370 °	38.991370 °
				-121.444351 °	-121.444351 °
DWR ID	DWR_RD1001_03_f_2016_24				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/28/2017 03/28/2017	Sterling York

LM Start	4.48	Rating **	M	Issue No.	31
LM End	4.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.991851 °	38.991851 °
				-121.452116 °	-121.452116 °
DWR ID	DWR_RD1001_03_f_2016_31				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD1001\_37\_31\_20170316\_00022.jpg



View of erosion in the landside levee slope looking downstream. Fall 2016.

LM Start	4.65	Rating **	M	Issue No.	58
LM End	4.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.991551 °	38.991551 °
				-121.455092 °	-121.455092 °
DWR ID	DWR_RD1001_03_s_2012_58				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/28/2017 03/28/2017	Sterling York

LM Start	4.82	Rating **	M	Issue No.	910
LM End	4.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.990773 °	38.990773 °
				-121.458203 °	-121.458203 °
DWR ID	DWR_RD1001_03_s_2012_910				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.81	Rating **	A/W	Issue No.	32
LM End	5.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.985882 °	38.985882 °
				-121.475394 °	-121.475394 °
DWR ID	DWR_RD1001_03_f_2016_32				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees less than 4" in diameter should be removed.					

LM Start	<b>5.81</b>	Rating **	A/W	Issue No.	<b>32 (cont)</b>
LM End	<b>5.81</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP\_2017\_RD1001\_37\_32\_20170316\_00023.jpg



View of starter tree with diameter less than 4". Fall 2016.

Photo 2 of 2 : SP\_2017\_RD1001\_37\_32\_20170403\_00052.jpg



View of where starter tree was removed but new starters have sprouted up, Spring 2017.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/28/2017 03/28/2017	Sterling York

LM Start	6.47	Rating **	M	Issue No.	40
LM End	6.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.984020 °	38.984020 °
				-121.487404 °	-121.487404 °
DWR ID	DWR_RD1001_03_f_2016_40				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD1001\_37\_40\_20170316\_00029.jpg



View of slope instability on the waterside at gate caused by foot traffic. Fall 2016.

LM Start	6.47	Rating **	M	Issue No.	38
LM End	6.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.984019 °	38.984019 °
				-121.487404 °	-121.487404 °
DWR ID	DWR_RD1001_03_s_2013_38				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD1001\_37\_38\_20170316\_00026.jpg



Erosion caused by run off from the roadway. Spring 2013

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/28/2017 03/28/2017	Sterling York

LM Start	6.47	Rating **	M	Issue No.	38 (cont)	
LM End	6.47	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			38.984019 °	38.984019 °	
				-121.487404 °	-121.487404 °	
DWR ID	DWR_RD1001_03_s_2013_38					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						

Photo 2 of 2 : SP\_2017\_RD1001\_37\_38\_20170316\_00027.jpg



Erosion caused by run off from the roadway still exist. Fall 2016.

LM Start	7.22	Rating **	M	Issue No.	17
LM End	7.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.982737 °	38.982572 °
				-121.501144 °	-121.502797 °
DWR ID	DWR_RD1001_03_s_2016_17				
Comment Code					
Inspector Comment					
2008 - Sandy/silty banks with rotational slab failures creating near vertical bank with pop-outs due to tree failures. Narrow berm. 2015: Last observed in 2013. [2015 Site ID: BER_5-7_L]					

Photo 1 of 1 : SP\_2017\_RD1001\_37\_17\_20170316\_00013.jpg



USACE 2013 Photo #1

LM Start	9.31	Rating **	M	Issue No.	44
LM End	9.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.970576 °	38.970576 °
				-121.533334 °	-121.533334 °
DWR ID	DWR_RD1001_03_f_2016_44				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	





**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	03/28/2017 03/28/2017	Sterling York

LM Start	11.08	Rating **	M	Issue No.	1
LM End	11.16	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.955070 °	38.954227 °
				-121.549528 °	-121.550592 °
DWR ID	DWR_RD1001_03_s_2016_1				
Comment Code					
Inspector Comment					
2011 - Large slumped sections of bank. 2012 - Slopes slightly steeper. 2015: Last observed in 2013. [2015 Site ID: BER_1-9_L]					

Photo 1 of 1 : SP\_2017\_RD1001\_37\_1\_20170316\_00001.jpg



USACE 2013 Photo #1

LM Start	11.23	Rating **	M	Issue No.	22
LM End	11.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.953367 °	38.953025 °
				-121.551428 °	-121.551808 °
DWR ID	DWR_RD1001_03_s_2012_22				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement





**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	0.01	Rating **	M	Issue No.	35
LM End	2.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.940892 °	38.906724 °
				-121.567674 °	-121.576035 °
DWR ID	DWR_RD1001_04_s_2017_35				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_35\_20170403\_00066.jpg



View looking downstream of annual vegetation, Spring 2017.

LM Start	0.01	Rating **	M	Issue No.	38
LM End	13.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.940884 °	38.781238 °
				-121.567680 °	-121.605477 °
DWR ID	DWR_RD1001_04_s_2017_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_38\_20170403\_00067.jpg



View looking downstream of annual vegetation, Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	0.14	Rating **	M	Issue No.	3
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.939029 °	38.939029 °
				-121.567771 °	-121.567771 °
DWR ID	DWR_RD1001_04_s_2017_3				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove pruning's from hinge point, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_3\_20170403\_00068.jpg



View looking downstream of pruning's on hinge point, Spring 2017.

LM Start	0.17	Rating **	M	Issue No.	46
LM End	0.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.938715 °	38.938715 °
				-121.567768 °	-121.567768 °
DWR ID	DWR_RD1001_04_f_2016_46				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Keep the Blackberry bush from climb the landside levee slope.					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_46\_20170316\_00027.jpg



View of blackberry bush starting to climb the landside levee slope. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	0.18	Rating **	M	Issue No.	63
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.938534 °	38.938534 °
				-121.567729 °	-121.567729 °
DWR ID	DWR_RD1001_04_s_2016_63				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_63\_20170316\_00036.jpg



Landside slope erosion caused by vehicles.

LM Start	0.20	Rating **	M	Issue No.	42
LM End	0.20	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.938233 °	38.938233 °
				-121.567731 °	-121.567731 °
DWR ID	DWR_RD1001_04_s_2017_42				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove pruning's from fallen tree from both sides of hinge points, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_42\_20170403\_00069.jpg



view looking downstream of pruning's from fallen tree on both sides of hinge points, Spring 2017.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	0.37	Rating **	A/W	Issue No.	64
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.935903 °	38.935903 °
				-121.567250 °	-121.567250 °
DWR ID	DWR_RD1001_04_s_2016_64				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Animal trail is not being used and shows no sign of erosion or sloughing. Spring 2017.					

LM Start	<b>0.37</b>	Rating **	A/W	Issue No.	<b>64 (cont)</b>
LM End	<b>0.37</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : SP\_2017\_RD1001\_38\_64\_20170316\_00037.jpg



Livestock trail cut into landside slope. Spring 2016.

Photo 2 of 3 : SP\_2017\_RD1001\_38\_64\_20170316\_00038.jpg



View of animal trail cut into the landside levee slope. Fall 2016.

LM Start	<b>0.37</b>	Rating **	A/W	Issue No.	<b>64 (cont)</b>
LM End	<b>0.37</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP\_2017\_RD1001\_38\_64\_20170403\_00070.jpg



View looking downstream of animal trail that is not being used and shows no sign of erosion or sloughing. Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	0.39	Rating **	M	Issue No.	16
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.935519 °	38.935519 °
				-121.567042 °	-121.567042 °
DWR ID	DWR_RD1001_04_f_2015_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_16\_20170316\_00009.jpg



View of rut made up the landside levee slope. Fall 2016.

LM Start	0.49	Rating **	M	Issue No.	59
LM End	0.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.934139 °	38.934139 °
				-121.567025 °	-121.567025 °
DWR ID	DWR_RD1001_04_f_2016_59				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees 4" in diameter or less at chest height should be removed.					

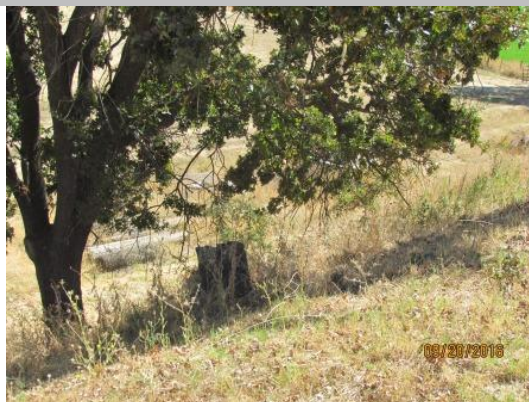
Photo 1 of 1 : SP\_2017\_RD1001\_38\_59\_20170316\_00033.jpg



View of three trees with diameters less than 4". Fall 2016.

LM Start	0.51	Rating **	N	Issue No.	21
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.933796 °	38.933796 °
				-121.567047 °	-121.567047 °
DWR ID	DWR_RD1001_04_f_2015_21				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Remove stump from the landside levee slope.					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_21\_20170316\_00013.jpg



View of a stump in the landside levee slope. Fall 2016.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	0.55	Rating **	M	Issue No.	68
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.933299 °	38.933299 °
				-121.567069 °	-121.567069 °
DWR ID	DWR_RD1001_04_s_2016_68				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_68\_20170316\_00040.jpg



View of ruts caused by vehicle on the landside levee slope. Fall 2016.

LM Start	0.55	Rating **	N	Issue No.	60
LM End	0.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.933229 °	38.933229 °
				-121.567097 °	-121.567097 °
DWR ID	DWR_RD1001_04_f_2016_60				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_60\_20170316\_00034.jpg



View of tree stump, waterside crown at gate. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	0.55	Rating **	N	Issue No.	61
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.933229 °	38.933229 °
				-121.567097 °	-121.567097 °
DWR ID	DWR_RD1001_04_f_2016_61				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_61\_20170316\_00035.jpg



View of tree stump, landside crown at gate. Fall 2016.

LM Start	1.06	Rating **	N	Issue No.	69
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.926128 °	38.926128 °
				-121.568241 °	-121.568241 °
DWR ID	DWR_RD1001_04_s_2016_69				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_69\_20170316\_00041.jpg



View of stump at landside levee toe. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	2.68	Rating **	U	Issue No.	44
LM End	13.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.905088 °	38.781238 °
				-121.578480 °	-121.605477 °
DWR ID	DWR_RD1001_04_s_2017_44				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_44\_20170403\_00073.jpg



View looking downstream of annual vegetation, Spring 2017.

LM Start	2.80	Rating **	M	Issue No.	45
LM End	2.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.903908 °	38.903908 °
				-121.580228 °	-121.580228 °
DWR ID	DWR_RD1001_04_s_2017_45				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove pruning's on hinge point, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_45\_20170403\_00072.jpg



View looking downstream of pruning's on hinge point, Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	2.80	Rating **	M	Issue No.	47
LM End	2.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.903896 °	38.903896 °
				-121.580230 °	-121.580230 °
DWR ID	DWR_RD1001_04_s_2017_47				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim limbs 5' for visibility, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_47\_20170403\_00074.jpg



View looking downstream where limbs need to be trimmed 5' for visibility, Spring 2017.

LM Start	4.06	Rating **	A/W	Issue No.	51
LM End	4.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.892820 °	38.892583 °
				-121.598003 °	-121.598575 °
DWR ID	DWR_RD1001_04_s_2017_51				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Continual vehicles driving up levee slope should be monitored and maintained, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_51\_20170403\_00078.jpg



View of continual vehicles driving up levee slope, should be monitored and maintained, Spring 2017.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	5.22	Rating **	M	Issue No.	78
LM End	5.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.881768 °	38.881768 °
				-121.611302 °	-121.611302 °
DWR ID	DWR_RD1001_04_s_2016_78				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD1001\_38\_78\_20170316\_00042.jpg



Ruts on waterside slope due to vehicles. Spring 2016.

LM Start	<b>5.22</b>	Rating **	M	Issue No.	<b>78 (cont)</b>
LM End	<b>5.22</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2017\_RD1001\_38\_78\_20170316\_00043.jpg



Ruts still there on waterside slope due to vehicles. Fall 2016.

LM Start	5.55	Rating **	M	Issue No.	79
LM End	5.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.877256 °	38.877256 °
				-121.613073 °	-121.613073 °
DWR ID	DWR_RD1001_04_s_2016_79				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	5.80	Rating **	M	Issue No.	2
LM End	5.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.874113 °	38.872373 °
				-121.615380 °	-121.616504 °
DWR ID	DWR_RD1001_04_s_2016_2				
Comment Code					
Inspector Comment					
2011 - Erosion pockets from tree popouts. Sections of the lower bank have slumped off. 2013 - Scallops from tree popouts no longer visible on site. Minor new erosion at the middle of the bank. 2015: Fresh erosion from human use. [2015 Site ID: FHR_6-6_L]					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_2\_20170316\_00002.jpg



USACE 2013 Photo #1

LM Start	6.42	Rating **	M	Issue No.	5
LM End	6.51	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.865875 °	38.864706 °
				-121.619983 °	-121.620813 °
DWR ID	DWR_RD1001_04_s_2016_5				
Comment Code					
Inspector Comment					
2011 - Tall slumping sections. Scour around trees has exposed most of the roots. 2015: Recent large slope failure observed. [2015 Site ID: FHR_6-0_L]					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_5\_20170316\_00005.jpg



USACE 2013 Photo #1

LM Start	6.57	Rating **	M	Issue No.	4
LM End	6.77	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.863946 °	38.861558 °
				-121.621388 °	-121.623316 °
DWR ID	DWR_RD1001_04_s_2016_4				
Comment Code					
Inspector Comment					
2011 - Large slumped sections on the lower bank. 2012 - New cracks observed. 2015: No observed changes. [2015 Site ID: FHR_5-8_L]					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_4\_20170316\_00004.jpg



USACE 2013 Photo #1

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	6.81	Rating **	M	Issue No.	84
LM End	6.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.860852 °	38.860852 °
				-121.623490 °	-121.623490 °
DWR ID	DWR_RD1001_04_s _ 2016_84				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	7.08	Rating **	M	Issue No.	52
LM End	7.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.857574 °	38.857574 °
				-121.626083 °	-121.626083 °
DWR ID	DWR_RD1001_04_s _ 2017_52				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	7.47	Rating **	M	Issue No.	8
LM End	7.79	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.852394 °	38.848004 °
				-121.629231 °	-121.630873 °
DWR ID	DWR_RD1001_04_s_2016_8				
Comment Code					
Inspector Comment					
2000 - Steep bank off berm with some slumps and fallen trees, continued erosion. 2002 - Site lengthened upstream and downstream due to vertical bank along most of the reach. 2010 - Site extended upstream. 2011 - Minimal new erosion. 2012 - Site extended on the upstream end, new tree pop-out, and bank erosion continues to worsen. 2013 - Minor new erosion at the toe and top of bank. 2015: No observed changes. [2015 Site ID: FHR_5-0_L]					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_8\_20170316\_00008.jpg



USACE 2013 Photo #1

LM Start	7.60	Rating **	A/W	Issue No.	36
LM End	7.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.850521 °	38.850521 °
				-121.629423 °	-121.629423 °
DWR ID	DWR_RD1001_04_f_2015_36				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Ramp has vertical cut into the levee prism.					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_36\_20170316\_00023.jpg



View of vertical cut for ramp in the landside levee slope looking upstream. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

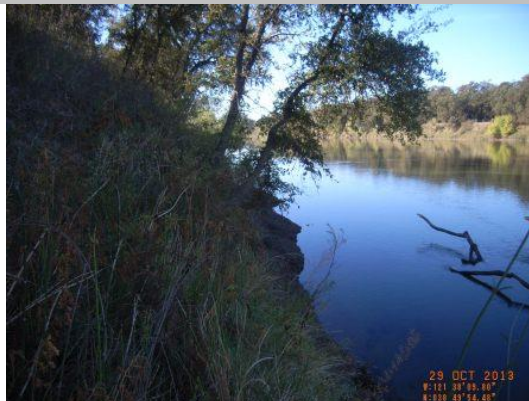
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	8.57	Rating **	M	Issue No.	7
LM End	8.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.836966 °	38.831498 °
				-121.634128 °	-121.636371 °
DWR ID	DWR_RD1001_04_s_2016_7				
Comment Code					
Inspector Comment					
2006 - Sandy, silty bank with intermittent pockets of erosion. Rotational failure and tree pop outs are most of the problem. Some upper slope fluvial erosion. 2010 - Site extended upstream. The lower Feather may benefit from a regional repair. 2011 - Site combined with 3.6. Minimal new erosion. 2013 - New erosion observed at bank toe. Trees on site now have exposed roots. 2015: No observed changes. [2015 Site ID: FHR_3-8_L]					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_7\_20170316\_00007.jpg



USACE 2013 Photo #1

LM Start	8.65	Rating **	M	Issue No.	12
LM End	8.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.835766 °	38.834778 °
				-121.633966 °	-121.634316 °
DWR ID	DWR_RD1001_04_s_2012_12				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	9.81	Rating **	M	Issue No.	53
LM End	9.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.819784 °	38.819784 °
				-121.639555 °	-121.639555 °
DWR ID	DWR_RD1001_04_s_2017_53				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove downed tree and limbs, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_53\_20170403\_00080.jpg



View looking downstream at a downed tree and limbs, Spring 2017.

LM Start	11.05	Rating **	M	Issue No.	22
LM End	11.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.802875 °	38.802000 °
				-121.632862 °	-121.632763 °
DWR ID	DWR_RD1001_04_s_2012_22				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	11.18	Rating **	M	Issue No.	6
LM End	11.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.800920 °	38.798165 °
				-121.633050 °	-121.631939 °
DWR ID	DWR_RD1001_04_s _ 2016_6				
Comment Code					
Inspector Comment					
2000 - Site is relatively stable except for some toe erosion at the upstream end, recommend monitoring the upstream end. 2004 - Some new block failures (10ft deep) at the toe of the upstream end. 2007 - Some minor new slumping at the waterline. 2013 - Minor new erosion along the bank toe. 2015: No observed changes. [2015 Site ID: FHR_1-0_L]					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_6\_20170316\_00006.jpg



USACE 2013 Photo #1

LM Start	11.24	Rating **	M	Issue No.	23
LM End	11.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.800174 °	38.800174 °
				-121.632227 °	-121.632227 °
DWR ID	DWR_RD1001_04_s _ 2012_23				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	11.74	Rating **	M	Issue No.	54 (cont)	
LM End	11.74	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.793796 °		38.793796 °
				-121.627829 °		-121.627829 °
DWR ID	DWR_RD1001_04_s_2015_54					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
Vehicle ruts need to be repaired on the levee shoulder. Spring 2017.						

Photo 2 of 2 : SP\_2017\_RD1001\_38\_54\_20170403\_00079.jpg



View of vehicle ruts in levee shoulder that is getting worse due to erosion on the waterside looking downstream. Spring 2017.

LM Start	12.32	Rating **	M	Issue No.	24
LM End	12.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.787355 °	38.786507 °
				-121.621165 °	-121.619837 °
DWR ID	DWR_RD1001_04_s_2012_24				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	12.44	Rating **	C	Issue No.	49
LM End	12.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.786433 °	38.786433 °
				-121.619104 °	-121.619104 °
DWR ID	DWR_RD1001_04_f_2016_49				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Downed tree on landside levee slope has been removed. Spring 2017.					

No Photos

LM Start	12.65	Rating **	M	Issue No.	26
LM End	13.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.784513 °	38.781862 °
				-121.616045 °	-121.607855 °
DWR ID	DWR_RD1001_04_s_2012_26				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	12.67	Rating **	M	Issue No.	11
LM End	13.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.784579 °	38.782150 °
				-121.615689 °	-121.607918 °
DWR ID	DWR_RD1001_04_f_2013_11				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	03/29/2017 03/29/2017	Sterling York

LM Start	12.82	Rating **	M	Issue No.	151
LM End	12.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.783930 °	38.783930 °
				-121.612952 °	-121.612952 °
DWR ID	DWR_RD1001_04_s_2012_151				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_151\_20170316\_00046.jpg



Trees need to be trimmed up at least 5 feet. Spring 2013

LM Start	13.12	Rating **	M	Issue No.	58
LM End	13.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.782170 °	38.782170 °
				-121.607935 °	-121.607935 °
DWR ID	DWR_RD1001_04_f_2015_58				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim branch up 5' above slope. Fall 2016.					

Photo 1 of 1 : SP\_2017\_RD1001\_38\_58\_20170316\_00032.jpg



View of landside tree that need the limbs trimmed up 5' above the slope for visibility and access. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/29/2017 03/29/2017	Sterling York

LM Start	0.01	Rating **	M	Issue No.	9
LM End	5.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.781287 °	38.831062 °
				-121.605442 °	-121.529847 °
DWR ID	DWR_RD1001_05_s_2017_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_39\_9\_20170403\_00019.jpg



View looking upstream of annual vegetation, Spring 2017.

LM Start	0.01	Rating **	M	Issue No.	8
LM End	5.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.781287 °	38.831062 °
				-121.605440 °	-121.529847 °
DWR ID	DWR_RD1001_05_s_2017_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_39\_8\_20170403\_00020.jpg



View looking upstream of annual vegetation, Spring 2017.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	03/29/2017 03/29/2017	Sterling York

LM Start	0.06	Rating **	M	Issue No.	11
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.782066 °	38.782066 °
				-121.605181 °	-121.605181 °
DWR ID	DWR_RD1001_05_s_2017_11				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree from levee slope, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_39\_11\_20170403\_00018.jpg



View looking upstream of fallen tree in waterside slope, Spring 2017.

LM Start	2.31	Rating **	M	Issue No.	1
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.803877 °	38.804206 °
				-121.575053 °	-121.574529 °
DWR ID	DWR_RD1001_05_s_2016_1				
Comment Code					
Inspector Comment					
2006 - Noted old saturation slumping of upper levee slope that is into the levee core (near high water line). 2011 - Erosion is into the top of the levee. This site is actually located at LM 2.5. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: NCC_3-0_R]					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2017 03/29/2017	Sterling York

LM Start	0.00	Rating **	U	Issue No.	17
LM End	1.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.831116 °	38.845278 °
				-121.529687 °	-121.524364 °
DWR ID	DWR_RD1001_06_s_2017_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_40\_17\_20170403\_00039.jpg



View looking downstream of annual vegetation, Spring 2017.

LM Start	0.00	Rating **	U	Issue No.	15
LM End	4.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.831116 °	38.896371 °
				-121.529687 °	-121.520364 °
DWR ID	DWR_RD1001_06_s_2017_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_40\_15\_20170403\_00037.jpg



View looking downstream of annual vegetation, Spring 2017.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2017 03/29/2017	Sterling York

LM Start	0.01	Rating **	U	Issue No.	18
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.831192 °	38.831192 °
				-121.529580 °	-121.529580 °
DWR ID	DWR_RD1001_06_s_2016_18				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD1001\_40\_18\_20170316\_00004.jpg



View of trees that need to be trimmed for visibility on the landside looking upstream. Fall 2016.

LM Start	<b>0.01</b>	Rating **	U	Issue No.	<b>18 (cont)</b>
LM End	<b>0.01</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD1001\_40\_18\_20170403\_00040.jpg



View looking downstream of trees that need to be trimmed for visibility on the landside, Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2017 03/29/2017	Sterling York

LM Start	1.03	Rating **	A/W	Issue No.	16
LM End	1.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.845178 °	38.852692 °
				-121.524382 °	-121.524866 °
DWR ID	DWR_RD1001_06_s_2017_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Well maintained annual grasses, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_40\_16\_20170403\_00038.jpg



View looking downstream of well maintained annual grasses, Spring 2017.

LM Start	1.55	Rating **	U	Issue No.	14
LM End	4.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.852692 °	38.896370 °
				-121.524866 °	-121.520364 °
DWR ID	DWR_RD1001_06_s_2017_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD1001\_40\_14\_20170403\_00036.jpg



View looking downstream of annual vegetation, Spring 2017.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown


\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2017 03/29/2017	Sterling York


Photo 1 of 1 : SP\_2017\_RD1001\_40\_8\_20170316\_00003.jpg



06/21/2016

View of crown where there is cross traffic looking upstream. Monitor this area and fix as needed.

Photo 1 of 1 : SP\_2017\_RD1001\_40\_7\_20170316\_00002.jpg



View of crown where there is cross traffic looking upstream. Monitor this area and fix as needed.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable        C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2017 03/29/2017	Sterling York

LM Start	4.33	Rating **	A/W	Issue No.	19
LM End	4.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.892999 °	38.892999 °
				-121.524711 °	-121.524711 °
DWR ID	DWR_RD1001_06_f_2013_19				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Crown where there is cross traffic. Monitor this area and fix as needed.					

Photo 1 of 1 : SP\_2017\_RD1001\_40\_19\_20170316\_00005.jpg



View of crown where there is cross traffic looking upstream. Monitor this area and fix as needed.

LM Start	4.38	Rating **	N	Issue No.	22
LM End	4.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.893728 °	38.893728 °
				-121.524715 °	-121.524715 °
DWR ID	DWR_RD1001_06_f_2016_22				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
A stump at the landside levee toe.					

Photo 1 of 1 : SP\_2017\_RD1001\_40\_22\_20170316\_00007.jpg



View of a stump at the landside levee toe. Fall 2016.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	03/29/2017 03/29/2017	Sterling York

LM Start	4.71	Rating **	M	Issue No.	24
LM End	4.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.896310 °	38.896310 °
				-121.520674 °	-121.520674 °
DWR ID	DWR_RD1001_06_f_2016_24				
Comment Code					
DE : Debris					
Inspector Comment					
Old peace of pipe lying on landside levee slope.					

Photo 1 of 1 : SP\_2017\_RD1001\_40\_24\_20170316\_00009.jpg



View of an old piece of pipe lying on landside levee slope looking upstream. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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